

EMCRETE RM

REPAIR MORTAR

TECHNICAL DATA SHEET



INTRODUCTION	EMCRETE-RM is a general purpose non -shrink, cementitious, trowel applied single pack repair mortar for repairs to concrete sections and plastered surfaces.
AREAS OF APPLICATION	Any General Concrete Repairs area such as-Ceiling surface, Wall plaster, facade, etc Grouts for repairing cracks and de- lamination of concrete structures such as sidewalks, driveways and walls.
FEATURES & BENEFITS	<ul style="list-style-type: none">• Ready mix Cement based Polymer mortar – No need to add sand, Cement & aggregates• Saves time & energy• Needs to be mixed with water only – No additional dispersion liquid is necessary• High bonding strength – Suitable for overhead surfaces & can also be sprayed• Multipurpose- can be applied on horizontal ,vertical and overhead surfaces without any form work and can be used along with plastic or steel fibers• Low permeability – Offers extremely low permeability to water carbon dioxide and chlorides• Improved workability-Polymer modification noticeably improves application characteristics, making the mortar more fluid and easier to handle and apply.• Improved strength and durability Cured polymer – modified mortars generally have improved tensile strength, flexural strength, impact and abrasion resistance, water resistance, and chemical resistance versus unmodified mortars

TYPICAL PROPERTIES

Density	: 1.5 – 1.7 kg/l
Fresh mortar bulk density	: 2.0 kg/dm ³
Compressive strength [at 0.16w/p @ 30°C]	: 40 N/mm ² @ 28 days
Flexural Strength [at 0.16w/p @ 25°C]	: > 4 Mpa @ 28 days
Bonding tensile strength [BS 6319]	: 8.5N/mm ²
Setting time [BS 4550]	
Initial Set	: 6 hr [at 0.13 w/p @ 20°C]
Final Set	: 8 hr 15 Min
Carbonation depth	: Nil
Chloride content	: Nil

INSTRUCTIONS FOR USE**SURFACE PREPARATION**

Clean the surface and remove loose concrete, dust, oil, paint, grease, waterproof coating, Expose fully any corroded steel in the repair area and remove all scale and corrosion deposits using Amcor RR. Saturate the substrate with water to prevent absorption of water from the mixed material. In case of a very old concrete substrate, it should be primed by applying one coat of EMCRETE-RM and water (1:1) as Bonding agent. Allow the bonding agent to reach condition before pouring of mix concrete

MIXING

Use Mechanical Mixer of mixing of EMCRETE-RM.
Charge 85-90% of clean & potable mixing water (3.75 to 4 liters per 25 kg bag) to a mixer.
Start addition of powder slowly under continuous mixing. Keep mixing for 2 minutes. Add balance quantity 15-20% of mixing water & again mix for another 2-3 minutes to form homogeneous, free flowing, uniform & lump – free mix.

PACKING

25 kg in Bags

SHELF LIFE

Shelf life is six months from the date of manufacturing. Store at cool & dry place in unopened condition.

SAFETY DATA

HEALTH HAZARD: EMCRETE RM is non toxic in nature. It is recommended to take necessary precaution, which one would take while handling alkaline substance. Use rubber hand gloves, splash goggles etc. Direct contact with any part of the body, especially with eyes must be avoided. In case of contact or splash into eyes, wash with water immediately and consult a physician.

DISCLAIMER

This information is given to the best of our knowledge. There is no legally binding assurance of certain properties for a specific purpose. The customer is responsible for determining whether the product and Information provided here is appropriate for his use. It is the sole responsibility of the customer to ensure that any proprietary rights and existing laws and legislation are observed.

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